

LINDA LINGLE
GOVERNOR OF HAWAII



RUSS K. SAITO
COMPTROLLER
KATHLEEN THOMASON
DEPUTY DIRECTOR

**STATE OF HAWAII
WIRELESS ENHANCED 911 BOARD**

April 13, 2006
10:00 a.m.

Pan American Building
Conference Room 1016
1600 Kapiolani Boulevard
Honolulu, Hawaii 96814

AGENDA

- I. Call to order
- II. Review of Minutes for March 10, 2006 Board Meeting.
- III. Committee Updates by Chairs.
 - a. Finance Committee
 - b. Technical Committee
 - c. Policies and Objectives Committee
 - d. Administration Committee
- IV. PSAP Status Updates
 - a. Kauai
 - b. Oahu
 - c. Molokai
 - d. Maui
 - e. Hawaii
- V. Executive Director's Monthly Report
- VI. Discussion Items.
 - a. Cost Recovery Guidelines
 - b. WE911 website
 - c. PSAP Technical Representative Meeting
 - d. PSAP Deployment Tracking
 - e. Positron Demonstration, April 18th

VII. Announcements

VIII. Next meeting date and location

IX. Adjournment

State of Hawaii
Wireless Enhanced 911 Board

SUBJECT: Minutes of April 13, 2006 Meeting

Members in Attendance: Paul Ferreira, Joel Matsunaga, Pete Jaeger, Dexter Takashima and Jeff Yamane (attachment 1). Paul Ferreira was assigned the proxy for Richie Nakashima, who in turn was assigned the proxy for Milton Matsuoka. Joel Matsunaga was assigned the proxy for Roy Irei and Gordon Bruce. Russ Saito was assigned the proxy for John Cole but both were unable to attend. (attachments 2 to 5).

Staff in Attendance: Philip Kahue (Executive Director), Bill Doolittle (Technical Consultant), and Kerry Yoneshige (Department of Accounting and General Services) and Patricia Ohara (Attorney General's Office).

Guests in Attendance: Clement Chan (City & County of Honolulu Department of Information Technology).

1. The chair called the meeting to order at 10:15 a.m.
2. The minutes of the March 10, 2006 meeting was approved.
3. Committee Updates by Chairs
 - a. Finance Committee Report (attachment 6).
 - i. The Statement of Cash Flows was developed by Courtney from Akimeka and shows the account balances for both the General Fund and the Grant Fund.
 - ii. Transition of Fund Management to Akimeka has been completed and the last file was handed over to the ED. Signature cards are being prepared by First Hawaiian Bank.
 - iii. A payment request was received from Nextel. We are requesting for more information, specifically invoices for their requests.
 - iv. The Audit Report findings will be placed on the agenda and discussed at the next Board meeting.
 - b. Technical Committee Report (attachment 7).
 - i. Intrado Status Report dated April 11th, highlighted three issues (attachment 8): (1) The requested deployment dates for the Wireless Service Providers with the Maui PSAP; (2) The Oahu PSAP kickoff meeting; (3) and the transition of the 9-1-1 ALI database from Hawaiian Telcom to Intrado.
 - ii. One objective of the Oahu PSAP kickoff meeting was to develop one deployment plan for all WSPs on Oahu. DIT and Intrado will share project lead, and the topic of interest is mapping. At some

- point, when the meetings become more mature, the WSPs and Hawaiian Telcom will be invited to attend this PSAP meeting.
- iii. Bill Doolittle opined that PSAP readiness does not hinge on the mapping system. The PSAPs can let the WSPs know that they are ready with a deployment letter, which gives the WSPs 6 months to deploy and test their system with the PSAP. The PSAP should coordinate first the Hawaiian Telcom, to assure the WSPs that the PSAP is ready.
 - iv. The Program Manager (PM) for PSAPs should develop a template that can be used by all the WSPs for conversion. The PM and Intrado should work together during the Oahu deployment to develop and refine the template.
 - v. The Technical Committee recommended that Akimeka provide the PM for PSAP Deployment and not use a Sources Sought Notice to find available contractors. Akimeka has a qualified individual (Tony Ramirez) to serve as the Program Manager. The Technical Committee met on April 12, 2006 to evaluate Mr. Ramirez's qualifications and determined that he was qualified. The Deputy Attorney General has already opined (during the February 21, 2006 Board Meeting) that the PM duties fit within the current scope of the Executive Director contract with Akimeka.
 - vi. The Technical Committee will define a Statement of Work for the Program Manager. It was recommended that the modification include monthly monitoring, and include an escape clause should the PM not perform satisfactorily. A motion was made to allow modification of the ED contract to add PM for PSAP Deployment by Paul Ferreira, seconded by Joel Matsunaga, and carried unanimously. The anticipated additional cost will be \$55,450 ($\$110.02 \times 504 \text{ hours} = \$55,450$) to cover the remaining 9 months on the base ED contract.
 - vii. Cost Recovery Guidelines for PSAP and WSPs were reviewed (Attachments 10 & 11). A recommendation was made to remove the LECs from the reimbursement document since the Statute only allowed reimbursement for PSAPs and WSPs. The guidelines will be updated and reviewed again by the Policy and Objectives Committee and reintroduced at the next Board Meeting.
 - viii. The Bill to change the legislative language of the current Statute (HRS 138) to allow recovery from the fund rather than reimbursement was defeated in the legislature. The Administrative Committee will draft a letter notifying the PSAPs and WSPs that the bill was defeated.
 - ix. Recommendation was made by Acting Chair to Technical Committee to work with Hawaiian Telcom to see if one dedicated trunkline can be added to each PSAP for outgoing long distance calls so that PSAPs can control this cost (and potentially lower it).

- x. The PSAP Deployment Open Issues Tracking Sheet was developed by 911Insight to update the board on the PSAP Deployment status (Attachment 9).
 - c. Policies and Objectives Committee Report – Nothing to Report.
 - d. Administration Committee Report – Nothing to Report.
- 4. PSAP Status Updates.
 - a. Kauai – IT division and dispatch may have activated CAD, but will need to check.
 - b. Oahu - Nothing to Report.
 - c. Molokai – Nothing to Report.
 - d. Maui – Nothing to Report.
 - e. Hawaii - Since mapping is not a requirement for Phase II, Hawaii County is able to receive latitude and longitude data and input will be made manually
- 5. Executive Director's Report – all issues were covered in the Committee Chair Updates (Attachment 12).
- 6. Discussion Items
 - a. The following were recommendations to update the Wireless Enhanced 911 Website:
 - Milton Matsuoka is still the PSAP representative for Molokai, not Danny Matsuura.
 - Add contract and contact information for Akimeka, 911Insight on a "Contact Us" link on the homepage.
 - Add a link that highlights forms for PSAPs and WSPs to file.
 - Add a Frequently Asked Question section.
 - Add a section for Press Releases.
 - Add weblinks to the PSAPs.
 - Under the Board Login section, forms and handouts for board meetings can be posted.
 - b. PSAP Representatives meeting on a regular basis. Recommendation was made for a Board-sponsored meeting, involving Intrado, Hawaiian Telcom, and PSAP technical representatives to address all wireless e9-1-1 issues. Either Akimeka or a new Program Manager will take the lead on establishing this meeting. Potentially looking at an April meeting date.
 - c. Disbursement Policy from the Special Fund. This issue was brought up and discussed under the Policy & Objectives Committee Report (para 3ci).
 - d. Program Management of PSAPs for Phase 2 deployment. Akimeka has a new hire coming on board March 16th, who has the qualifications to serve as the Program Manager for the PSAPs. Akimeka will draft a Sources Sought Notice (SSN) for Program Management of the PSAPs for due diligence. Akimeka will also draft a notice of expected cost for Program Management of the PSAPs, for Board consideration. The Board will then

determine the best course of action after responses from the SSN and Akimeka's proposal.

- e. Location of future Board meetings. Board agrees that next meeting will be held at the Pan Am Building, 1600 Kapiolani Blvd, Room 1016, as a change of venue. ED will publish directions and parking instructions to Board members.
- f. WE911 website input from the Board. Akimeka will continue to take input from the Board until Friday, March 17, 2006, after which time it will begin developing the website. Once the draft website is ready for Board viewing, Akimeka will publish a URL to the development server. After Board approval, the website will go live on the production server.

7. Action Items.

a. Administrative Committee:

- i. Draft an Update Letter to PSAPs on defeat of Cost Recovery Bill in 2006 Legislature.**
- ii. Draft letter to PSAPs on proposed PSAP Technical Representative meeting.**

b. Technical Committee:

- i. Work with Akimeka and 911Insight to develop and define the Scope of Work for the Program Manager of the PSAP Deployment.**
- ii. Technical Committee to work with Hawaiian Telcom to see if one dedicated trunkline can be added to each PSAP for outgoing long distance calls so that PSAPs can control this cost (and potentially lower it).**

c. Policy and Objectives Committee: Review Cost Reimbursement Guidelines for PSAPs and WSPs after ED updates.

d. Executive Director:

- i. Update Cost Reimbursement Guidelines for PSAPs and WSPs, and forward to Policy & Objectives Committee for review.**
- ii. Make changes to website based on Board input.**

8. Announcements.

- a. The Board Acting Chair recommended that board action items from the prior board meeting be included in the minutes, and on the agenda.
- b. The Positron mapping demonstration will be at the Double Tree Alana Hotel on April 18th from 10:00 a.m. to 2:00 p.m. (Attachment 13).

9. The next meeting will be held on Friday, May 12, 2006, and will be held in the DAGS Comptroller's Conference Room.

10. The meeting was adjourned at 12:15 p.m.

**Wireless Enhanced 911
Board Meeting
April 13, 2006 – 10:00 a.m.
Pan American Building
Room 1016
1600 Kapiolani Blvd, Honolulu, HI 96814**

Name	Agency	Phone
1. BILL DOOLITTLE	SII INSURANCE	
2. Paul Ferreira	HEPD	
3. JOEL MATSUNAGA	HAWAIIAN TELCOM	
4. PAT O'HARA	Attorney General	
5. JEFF YAMANE	CINGULAR	
6. PETE JOEGER	Nextel	
7. WARDEN TAKASHIMA	KPD	
8. Clement Chan	CAC DIT	
9. PEG KALE	Akineta Technologies	
10. Kerry Jones	DARS	508-221-1111
11.		
12.		
13.		
14.		
15.		
16.		
17.		
18.		
19.		
20.		

Philip Kahue

From: Richie M. Nakashima [Richie.Nakashima@hawaii.gov]
Sent: Wednesday, March 22, 2006 4:41 PM
To: Irei, Roy
Cc: Philip Kahue
Subject: April 13th meeting

Chairman Irei,

I would like to be excused from the April 13th meeting due to other obligations. I contacted Major Ferreira who will be my proxy vote. Met Ben Goodloe of Intrado this morning and he will be working with Lt. Faaumu and Tommy and will give me a report on the deployment schedule for the remaining wireless carrier before he leaves. I will forward to you for the April meeting.

Thanks,
Richie

3/22/2006

Attach 2

Philip Kahue

From: Bruce, Gordon [gbruce@hawaii.gov]
Sent: Wednesday, April 05, 2006 10:49 AM
To: Philip Kahue; Bill.Doolittle@hawaii.gov; Danny Matsuura; Dexter Takashima; Jeff Yamane; Joel Matsunaga; John Cole; Kerry Yoneshige; Patricia Ohara; Paul Ferreira; Pete Jaeger; Richie Nakashima; Roy Irei; Russell Saito
Subject: RE: Agenda for April 13, 2006 WE911 Board Meeting

No Changes

Unfortunately, I will not be able attend the meeting. I will pass my proxy to chair Roy. Also, Clement Chan from my office will be in attendance. He is heading up the project for the City. Pete has met him (Pete... can you introduce Clement to the group)

Thanks

Gordon

From: Philip Kahue [mailto:pkahue@akimekatech.com]
Sent: Wednesday, April 05, 2006 10:02 AM
To: Philip Kahue; Bill.Doolittle@hawaii.gov; Danny Matsuura; Dexter Takashima; Bruce, Gordon; Jeff Yamane; Joel Matsunaga; John Cole; Kerry Yoneshige; Patricia Ohara; Paul Ferreira; Pete Jaeger; Richie Nakashima; Roy Irei; Russell Saito
Subject: RE: Agenda for April 13, 2006 WE911 Board Meeting

If there are no more changes, I would like to finalize the agenda and submit to the Lt. Gov's office. Thank you.

Philip Kahue, CHE

Akimeka Technologies, LLC
 1600 Kapiolani Blvd, Suite 530
 Honolulu, HI 96814
 808.265.3028
 pkahue@akimekatech.com

From: Philip Kahue
Sent: Wednesday, March 29, 2006 4:39 PM
To: Bill.Doolittle@hawaii.gov; 'Danny Matsuura'; Dexter Takashima; Gordon Bruce; Jeff Yamane; Joel Matsunaga; John Cole; Kerry Yoneshige; Patricia Ohara; Paul Ferreira; Pete Jaeger; Richie Nakashima; Roy Irei; Russell Saito
Subject: Agenda for April 13, 2006 WE911 Board Meeting

Attached, please find the draft agenda for our April 13th Board meeting. I have sent this to the Chair, Vice-Chair, and Committee Chairs earlier this week. If you have topics of discussion that you would like added, please let me know by next Tuesday, April 4th. I would like to finalize the agenda on Wednesday, April 5th and get it to the Lt. Governor's office that day. Thank you.

V/R

Phil Kahue

Philip Kahue, CHE

Akimeka Technologies, LLC
 1600 Kapiolani Blvd, Suite 530
 Honolulu, HI 96814
 808.265.3028
 pkahue@akimekatech.com

4/5/2006

Attach 3

Philip Kahue

From: Irei, Roy [Roy.Irei@akimekatech.com]
Sent: Wednesday, April 05, 2006 11:17 PM
To: Philip Kahue; Bill.Doolittle@akimekatech.com; Danny Matsuura; Dexter Takashima; Gordon Bruce; Jeff Yamane; Joel Matsunaga; John Cole; Kerry Yoneshige; Patricia Ohara; Paul Ferreira; Pete Jaeger; Richie Nakashima; Russell Saito
Subject: RE: Minutes, Hand-outs, & Directions to next WE911 Board meeting

All, I will not be able to attend this meeting. Last minute schedule change that requires me to travel to the mainland for a week. Returning on evening of the 13th.

I am assigning my proxy to Joel Matsunaga, who will be conducting this meeting.

Roy Irei
General Manager, Hawaii
Engineering and Operations
Pcs: (808) 256-0037

From: Philip Kahue [mailto:pkahue@akimekatech.com]
Sent: Wednesday, April 05, 2006 3:29 PM
To: Bill.Doolittle@akimekatech.com; Danny Matsuura; Dexter Takashima; Gordon Bruce; Jeff Yamane; Joel Matsunaga; John Cole; Kerry Yoneshige; Patricia Ohara; Paul Ferreira; Pete Jaeger; Richie Nakashima; Irei, Roy; Russell Saito
Subject: Minutes, Hand-outs, & Directions to next WE911 Board meeting

Board Members:

Attached are:

1. The pending Board minutes from our March 10th Board Meeting (if you would like to see the attachments, I can forward to you separately)
2. Draft Cost Recovery Guidelines for PSAPs and WSPs
3. Draft Sources Sought Notice for Program Manager for PSAP Deployments

If possible, please read ahead of time, and also bring with you to the meeting. Thank you.

Philip Kahue, CHE
Akimeka Technologies, LLC
1600 Kapiolani Blvd, Suite 530
Honolulu, HI 96814
808.265.3028
pkahue@akimekatech.com

Philip Kahue

From: John.E.Cole [REDACTED]
Sent: Wednesday, April 12, 2006 11:15 AM
To: Russ_Saito@dcca.hawaii.gov
Cc: joel.matsunaga@hawaiiattorney.com; Philip Kahue
Subject: Fw: Proxy for April 13 Wireless E911 Board Meeting

Russ:

I cannot make tomorrow's Wireless E911 board meeting, so I am assigning my proxy to you.

Thanks,

John

John E. Cole
Executive Director
Division of Consumer Advocacy
Department of Commerce and Consumer Affairs
325 Merchant Street, Room 325
Honolulu, Hawaii 96813

ph. 808 586-2770

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----- Forwarded by John E Cole/DCCA on 04/12/2006 11:10 AM -----

"Philip Kahue"
<pkahue@akimekatech.com>

04/12/2006 11:07
AM

To
<John.E.Cole [REDACTED]>
<joel.matsunaga [REDACTED]>
cc

Subject
RE: Proxy for April 13 Wireless
E911 Board Meeting

John,

Joel has already been assigned the proxies of Roy and Gordon. Would it be possible for you to assign your proxy to Russ? We wouldn't want 4 votes to reside with one individual on board matters. Although, the HRS doesn't prohibit it, it would make it awkward. Could you check with Russ to see if he will accept your proxy?

Philip Kahue, CHE
Akimeka Technologies, LLC
1600 Kapiolani Blvd, Suite 530

Honolulu, HI 96814
808.265.3028
pkahue@akimekatech.com

-----Original Message-----

From: John.E.Cole [mailto:John.E.Cole@akimekatech.com]
Sent: Wednesday, April 12, 2006 9:28 AM
To: joel.matsunaga@akimekatech.com
Cc: Philip Kahue
Subject: Proxy for April 13 Wireless E911 Board Meeting

Joel:

I am unable to attend tomorrow's board meeting.

By this email, I give you my proxy to vote for me on board matters.

Thanks,

John

John E. Cole
Executive Director
Division of Consumer Advocacy
Department of Commerce and Consumer Affairs
325 Merchant Street, Room 325
Honolulu, Hawaii 96813

ph. 808 586-2770

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**Wireless Enhanced 911 Board
April 13, 2006 Meeting
Finance Committee Report**

- I. First Hawaiian Bank accounts
 - a. Cash Flow Statement
- II. Finance Transition to Akimeka
 - a. Financial records
 - b. Financial processing
 - c. Bank authority
- III. Payment request
 - a. Nextel – requested, in progress

HAWAII WIRELESS ENHANCED 911 BOARD
STATEMENT OF CASH FLOWS
For the period ending March 30, 2006

FIRST HAWAIIAN BANK ACCOUNTS:

General Fund ITEM	Beginning Balance	Net Change	Ending Balance
<i>Cash Inflow:</i>			
Surcharge Collection	\$ 9,209,264.92	\$ 436,338.03	\$ 9,645,602.95
Interest Income	\$ 166,160.49	\$ 27,747.71	\$ 193,908.20
<i>Cash Outflow:</i>			
Travel Expense	\$ (7,153.08)		\$ (7,153.08)
Consultants-Akimeka			\$ -
Bank Service Charge		\$ (25.00)	\$ (25.00)
Totals	\$ 9,368,272.33	\$ 464,060.74	\$ 9,832,333.07

Grant Fund ITEM	Beginning Balance	Net Change	Ending Balance
<i>Cash Inflow:</i>			
Nextel Contribution	\$ 1,250,000.00		\$ 1,250,000.00
<i>Cash Outflow:</i>			
Consulting Expense (Intrada)	\$ (108,000.00)		\$ (108,000.00)
Maui Reception Expense	\$ (2,073.64)		\$ (2,073.64)
Nextel Deployment	\$ (199,957.17)		\$ (199,957.17)
Totals	\$ 939,969.19	\$ -	\$ 939,969.19

Hawaii Enhanced 911 Board Meeting
Technical Committee Report- Pete Jaeger Chairman

April 13, 2006

1. Grant consultant – Intrado update.
 - a. Intrado Phase II update on Maui and Honolulu County.
2. Project manager for PSAPs
 - a. Sources Sought Notice
 - b. Antonio “Tony” Rameriz Jr.
3. Cost recovery documents for PSAP and Wireless Carriers- technical committee recommendation
4. Deployment updates Carrier updates on Maui (911 deployment):
 - a. Sprint, Verizon, T Mobile, and Cingular, Nextel.

Respectably submitted by Pete Jaeger

Attach 7

Hawaii Wireless E9-1-1 Deployments

Status Report

April 11, 2006

Maui PD

As of March 24, 2006, Maui PD returned completed 9-1-1 call routing sheets to the four remaining Wireless Service Providers, including requested testing completion dates.

Wireless Service Provider	Requested Deployment Date	Planned Testing Date(s)	Notes
Verizon Wireless	4/24/06	Week of 4/17	Actual date during week is still TBD.
Cingular Wireless	5/23/06		On target for deployment by requested date.
T-Mobile	6/19/06		ESRK's have been issued. TCS (T-Mob gateway provider) will ride Intrado backbone. Data provisioning questions are being resolved in light of transition of HTEL to Intrado ALI service.
Sprint PCS	7/24/06		Goodloe provided information to Sprint for completion of trunk order and ESRK request to HTEL.

Other Maui Issues:

- Maui PD reported some intermittent problems with appearance of data on Nextel Partners calls. Intrado Wireless team is investigating and anticipate root cause determination by COB 4/11/06. Depending on root cause, the team anticipates correction by COB 4/12/06.

Oahu PSAPs

A kickoff meeting was held at C&C of Honolulu Department of Information Technologies (DIT) on March 29, 2006. Attendees included representatives from Honolulu Police, Fire, and EMS departments, Hickam Fire, and Pearl Harbor Regional Dispatch Center, as well as Nextel Partners, DIT, and Intrado. Primary objective was to determine plan forward for joint deployment of all PSAPs on Oahu. Next meeting is scheduled for 4/13/06.

Outcomes from initial meeting include:

- DIT along with support from Intrado will be project lead. They will develop initial project plan to present to team for discussion at next meeting. Target for deployment with at least one carrier no later than September 1, 2006.
- Joint request for service – the team agreed that submission of a joint request for service to Wireless Service Providers is appropriate to enable the team to make call routing decisions based on carrier coverage areas.
- 9-1-1 Mapping System – the team will investigate the alternative of installing an E9-1-1 mapping system to supplement the 9-1-1 ALI display for purposes of locating wireless

E9-1-1 calls. This approach is being considered as an alternative to CAD mapping as it will provide enhanced user functionality to the PSAP and will be better suited to facilitate maintenance from DIT by allowing a single GIS data source to be used by all participating PSAPs. (Note: this is the same approach implemented at Maui county PSAPs.) Intrado consultant is compiling information on potential vendors, including budgetary estimates, for review and discussion on 4/13.

Other Issues

Hawaiian Telcom successfully completed transition of 9-1-1 ALI database services to Intrado on April 6, 2006. There was no negative impact to existing wireless E9-1-1 deployments. Nextel Partners supported successful testing for Maui PD following the cutover.

This transition is significant because it now enables E2 all the way through the network to all PSAPs in the State. E2 will provide company ID (NENA ID) display on the PSAP 9-1-1 monitors as well as increased flexibility in how wireless call information is presented to the PSAP.

State of Hawai'i
Wireless Enhanced 9-1-1 Board

PSAP Deployment
Open Issues Tracking

PSAP	Responsible	Issue/Discussion	Last Update	Status
Hawai'i County Police Department	Major Sam Thomas 808 961-2247	PSAP 911 ALI fileds transfer to CAD. CAD is capable of displaying x-y. No CoID is turned on. Mapping- no searate mapping and GIS system from what is resident in CAD <input type="checkbox"/> <i>Nextel</i> : No request <input type="checkbox"/> <i>Verizon</i> : No request <input type="checkbox"/> <i>Cingular</i> : No request <input type="checkbox"/> <i>Sprint</i> : No request <input type="checkbox"/> <i>T-Mobile</i> : No request <input type="checkbox"/> <i>Mobi PCS</i> : No request – not operational on this island	April 5, 2006	Pending
Hickam Air Force Base	John Coughlin 808 449-8103 & Albert Balderama 808 449-8101	Ali data stream routes to CAD/Cad interface to 911 is operational/No AVL in place/ No map > CAD interface as of yet. Map quality 6mm accuracy and has digital ortho photography layer. Outstanding question is the ability to access map frame before accepting cal in CAD- need to question CAD vendor about this capability. Need to answer question on whether the Wireless 911 fund is available to Federal entities <input type="checkbox"/> <i>Nextel</i> : No request <input type="checkbox"/> <i>Verizon</i> : No request <input type="checkbox"/> <i>Cingular</i> : No request <input type="checkbox"/> <i>Sprint</i> : No request <input type="checkbox"/> <i>T-Mobile</i> : No request <input type="checkbox"/> <i>Mobi PCS</i> : No request	April 5, 2006	Pending
Honolulu Police Department	Clement Chan 808547-7688	CAD interface to auto accept 911 call data into CAD event screen not functional. Dispatcher has to manually	April 5, 2006	Pending

State of Hawai'i
Wireless Enhanced 9-1-1 Board

PSAP	Responsible	Issue/Discussion	Last Update	Status
	and Major Kenneth Simmons 808 529-3362	<p>key callers location into CAD event screen. No auto population of CAD screens with 911 ALI data. Multiple locations include PD, Fire, EMS, backup locations in Kapolei and Honolulu Hale. Different mapping software in use in different locations. PSAP has agreed to coordinate request letters with the other Federal PSAPs on Oahu. PSAP undergoing meetings now to prepare for request letters to Wireless Carriers. Met on Feb. 3, 2006 to start process and name Clement Chang as Project mgr. Mtg on March 28, 2006 included Pearl Harbor and Hickam and was with Ben Goodloe with Intrado. Intrado is PM for the first wireless carrier deployment on Oahu with the 3 primary PSAPs. Next meeting on mapping is April 12 to determine mapping standards. PSAP has determined there is no need for City Council approval to accept funds.</p> <p> <input type="checkbox"/> <i>Nextel</i>: No request <input type="checkbox"/> <i>Verizon</i>: No request <input type="checkbox"/> <i>Cingular</i>: No request <input type="checkbox"/> <i>Sprint</i>: No request <input type="checkbox"/> <i>T-Mobile</i>: No request <input type="checkbox"/> <i>Mobi PCS</i>: No request </p>		
Kauai Police Department	Dexter Takashima 808 241-1607	<p>PSAP CAD interface to 911 disabled. Problem is PSAP CAD interface to 911 creates duplicate records when 2nd user attempts to monitor the primary call taker. Have not resolved this with CAD vendor.</p> <p>Mapping- there is mapping software. With CAD interface disabled all coordinates have to be entered manually/ Mapping software missing some areas in the Northern part of island</p>	April 5, 2006	Pending

State of Hawai'i
Wireless Enhanced 9-1-1 Board

PSAP	Responsible	Issue/Discussion	Last Update	Status
		<input type="checkbox"/> <i>Nextel</i> : No request <input type="checkbox"/> <i>Verizon</i> : No request <input type="checkbox"/> <i>Cingular</i> : No request <input type="checkbox"/> <i>Sprint</i> : No request <input type="checkbox"/> <i>T-Mobile</i> : No request <input type="checkbox"/> <i>Mobi PCS</i> : No request- not operational on this island		
Maui Police Department	Tommy Takeshita 808 244-6338	<p>CAD accepts 911 aii data and is integrated into a mapping system.</p> <p>PSAP has deployed one wireless carrier. Has worked with Intrado to complete routing sheets for the other wireless carriers and established a schedule which staggers each carrier 30 days to complete deployment. The schedule is Verizon on April 24; Cingular on 5-23; T-Mobile on 6-19 and Sprint on 7-24-2006.</p> <hr/> <input checked="" type="checkbox"/> <i>Nextel</i> : Completed Aug 2, 2005. <input type="checkbox"/> <i>Verizon</i> : trunks in/ routing sheets returned by County, Data circuit in <input type="checkbox"/> <i>Cingular</i> : Equipment installed, and circuits in. <input type="checkbox"/> <i>Sprint</i> : unknown <input type="checkbox"/> <i>T-Mobile</i> : Jarret Weingard will be following the same data TCS and Intrado Trunks – in final installation phase Equipment - Completed <input type="checkbox"/> <i>Mobi PCS</i> : No request- do not operate on this island	April 5, 2006	Pending
Molokai Police Department	Tommy Takeshita 808 244-6338	<p>PSAP has sent request letters. All data fields transfer to CAD event. Mapping data is complete. Unknown if CAD is auto interfaced into mapping. Backup for this PSAP is Maui County PSAP</p> <hr/> <input type="checkbox"/> <i>Nextel</i> : No request- missed sending request letter <input type="checkbox"/> <i>Verizon</i> : Request sent with resume letter for Maui	April 5, 2006	Pending

State of Hawai'i
Wireless Enhanced 9-1-1 Board

PSAP	Responsible	Issue/Discussion	Last Update	Status
Pearl Harbor Regional Dispatch Center	Puni Akana 808 471-3141 or Michelle Ponce 808- 471-3141 or Jason Okumura 808 473-8806	<input type="checkbox"/> Cingular: Request sent with resume letter for Maui <input type="checkbox"/> Sprint: Request sent with resume letter for Maui <input type="checkbox"/> T-Mobile: Request sent with resume letter for Maui <input type="checkbox"/> Mobi PCS: No request- do not operate on this island Ali data stream into CAD should work. The X/Y transfer into CAD has not been tested. Mapping functionality currently exists to auto locate 911 caller. Need to answer question on whether the Wireless 911 fund is available for this Federal PSAP. <hr/> <input type="checkbox"/> Nextel: No request <input type="checkbox"/> Verizon: No request <input type="checkbox"/> Cingular: No request <input type="checkbox"/> Sprint: No request <input type="checkbox"/> T-Mobile: No request <input type="checkbox"/> Mobi PCS: No request	April 5, 2006	Pending

POLICY ON COST RECOVERY

Public Safety Answering Points and Local Exchange Carriers

In order to meet its obligations under HRS Chapter 138, the Wireless Enhanced 911 Board is responsible for the administration of the Wireless Enhanced 911 (WE911) Fund, into which is deposited the monthly surcharge imposed on each commercial mobile radio service connection collected by wireless providers and resellers, and from which is distributed recoverable costs to eligible Public Safety Answering Points (PSAPs) and Wireless Service Providers (WSPs) for their permissible costs.

This policy establishes the guidelines to be used by Public Safety Answering Points in seeking recovery of their permissible costs for deploying and implementing Wireless Enhanced 911 service, in accordance with HRS §138-5.

PSAPs are eligible for reimbursement from the WE911 Fund for costs incurred for WE911 service after January 1, 2005.

PSAP Cost Eligibility

The WE911 Board will provide reimbursement subject to availability of funds:

“...the reasonable costs to lease, purchase, or maintain all necessary equipment, including computer hardware, software, and database provisioning, required by the public safety answering point to provide technical functionality for the wireless enhanced 911 service pursuant to the Federal Communications order.” (HRS §138-5)

In addition, the WE911 Board has determined that Geographic Information System (GIS) and Mapping for Phase II call handling is a necessary requirement for a PSAP to use data sent by WSPs. These costs may include, but are not be limited to, the following:

- Customer Premise Equipment (CPE) upgrades specifically required to deploy wireless 911 Phase I and Phase II service.
- Additional circuits or trunks related to wireless call volume.
- Expansion of voice logging recorder channels related to additional wireless 911 circuits.
- CAD system upgrades and additional maintenance costs caused or necessitated by WE911 (e.g., ALI data stream format change to CAD interface).
- Professional services related to the deployment of Phase I and Phase II capability.
- Initial purchase of a call accounting or telephony management information system if the PSAP does not already have such a system.
- PSAP mapping application software, upgrades, implementation costs, system integration, and maintenance costs.
- Incremental costs of Geographic Information System (GIS) data to support Computer Aided Dispatch or Mapping applications required for Phase II call handling (e.g., data extraction routines).

The WE911 Board's intent is to disburse funds to every eligible PSAP for 100 percent of their eligible expenses, in the most expeditious manner possible, and subject to the availability of funds in the WE911 Fund. If sufficient funds are not available to reimburse every PSAP for 100 percent of their eligible costs, then the WE911 Board will determine the most equitable distribution that is PSAP-neutral.

Local Exchange Carrier and 9-1-1 Service Supplier Costs

The WE911 Board shall provide full reimbursement (subject to availability of funds) for any Local Exchange Carrier (LEC) costs required solely for the implementation and processing of WE911 calls. These costs may include the following:

- Incremental costs of Automatic Location Database (ALI) services related to wireless Phase I and Phase II call processing.
- Incremental costs of supporting Phase I and Phase II compatible CPE.
- Central Office switch provisioning related to wireless 911 call processing.
- Additional 911 trunks from a Selective Router to the PSAP.

Submitting Reimbursement Requests

PSAPs may submit Reimbursement Requests consisting of the expenditures the PSAP has incurred since January 1, 2005. Separate Reimbursement Requests may be submitted as PSAP funds are expended, or the PSAP may submit a single consolidated request for reimbursement.

Non-Recurring Costs (NRCs) will only be reimbursed once by the Board. Recurring costs will be reimbursed monthly by the Board as they are incurred by the PSAP. PSAPs will need to submit written Reimbursement Requests for these Monthly Recurring Costs (MRCs).

Eligible costs are those determined by the WE911 Board in accordance with HRS §138-5. However, pursuant to HRS §138-5: "All other expenses necessary to operate the public safety answering point, including but not limited to those expenses related to overhead, staffing, and other day-to-day operational expenses, shall continue to be paid through the general funding of the respective counties."

Phase I/II Request Letters

Each PSAP must submit to the Board a copy of each Phase I/II request letter that was sent to the WSPs in the PSAP's jurisdiction. If a PSAP has already begun deployment of either Phase I or II, then a list of the wireless carriers and their deployment status shall also be provided.

Application Instructions

PSAPs requesting reimbursement for implementing Phase I or II WE911 service are required to submit a written Reimbursement Request to the WE911 Board, and will need to use the form

provided by the WE911 Board. The Reimbursement Request Worksheet has been designed to simplify the process of applying for the reimbursement of WE911 service and improvement costs. The worksheet will also be used for the "true-up" process at the end of each fiscal year.

The Worksheet is divided into three separate areas, as listed below.

1. **PSAP Information.** In the spaces provided, please list the PSAP name, county, the total amount requested (both one-time and recurring), and the name and title of the person completing the form. If the reimbursement check should be directed to another department or agency, please identify that contact information as well.
2. **Equipment, Systems, or Services Related to WE911.** In this section, list all equipment, systems, or services purchased by the PSAP for the implementation and maintenance of WE911 service. Each line item should correspond to specific equipment or services as invoiced by your providers. Costs should be broken down into two categories:
 - a. ***Non-Recurring Costs (NRCs)*** are one-time costs incurred by the PSAP for implementing WE911 service, such as purchase or start-up costs. These costs will only be reimbursed once by the Board.
 - b. ***Monthly Recurring Costs (MRCs)*** are those on-going costs associated with the provision of WE911 service. Examples include system maintenance or licensing costs.
3. **Local Exchange Carrier (LEC) Costs.** In this section, identify all LEC costs for the provision and maintenance of WE911 to the PSAP. Do not include LEC charges for the provision and maintenance of wire line enhanced 9-1-1 service. Costs should be broken down into the following two groups:
 - a. ***Non-Recurring Costs (NRCs)*** are one-time costs incurred by the PSAP for implementing WE911 service. Examples include, but are not limited to equipment or software purchases, installation and provisioning costs.
 - b. ***Monthly Recurring Costs (MRCs)*** are those monthly costs associated with the on-going provision of WE911 service. Examples include, but are not limited to database maintenance and technical support.

PSAP Managers/Directors will need to complete the Reimbursement Request Worksheet. Please submit the completed worksheet with copies of provider invoices to:

Mr. Philip Kahue, Executive Director
Hawaii Wireless Enhanced 911 Board
1600 Kapiolani Blvd, Suite 530
Honolulu, HI 96814

The Reimbursement Request may be provided electronically (with scanned/digitized copies of the supporting documentation) to Mr. Kahue at pkahue@akimekatech.com. Please contact Mr. Kahue directly at (808) 943-9545 to confirm receipt of the email and attachments.

Approval and Disbursement Process

After receipt of the Request, the Technical and Funding Committees of the WE911 Board will review each Application. The PSAP and LEC may be requested to provide additional information to clarify specific line items of the reimbursement request. The Committees will initially determine the eligibility of any particular cost item. The Committees will advise the PSAP of any costs that are considered ineligible, and request that the Application be amended.

At the next meeting of the Board, the Committees will report to the Board and recommend payment of the reimbursement request (as amended, if necessary). The WE911 Board will subsequently notify the PSAP of the dollar amounts approved.

If the PSAP or LEC wishes to dispute the Committee designation of ineligible costs, they should make a formal appeal to the Board, addressed to the Chair. The appeal should be provided in writing; a representative of the PSAP or LEC may optionally provide their justification in a presentation to the Board. The full Board will review the specific disputed claims for reimbursement and make a final determination of reimbursement eligibility. Arrangements for a Board Presentation should be made in advance to allow for scheduling and required public notice.

Reconciliation Process

The WE911 Board will conduct an annual reconciliation for each PSAP submitting a Reimbursement Request and receiving payments. The reconciliation will be conducted in the first quarter of each fiscal year, and will cover the immediate past fiscal year (1 July to 30 June). The initial schedule of reconciliations will be in July, August, and September 2007.

The purpose of the reconciliation is to review Monthly Recurring Costs and to understand any escalation in recurring costs, as well as to identify any opportunities for consolidation of cost centers.

Amendments to Procedures

The WE911 Board reserves the right to adopt amendments to the funding procedures and application forms as may be necessary to comply with the requirements of HRS §138. PSAPs are encouraged to suggest changes and improvements they feel may be appropriate to improve the implementation and funding of Phase I and II 911 service in the State of Hawaii.

Dispute Resolution

In accordance with HRS §138-11, any wireless provider, reseller, or public safety answering point aggrieved by a decision of the board shall have the right to petition the board for reconsideration within ten days following the rendering of the board's decision. As part of its petition for reconsideration, the aggrieved party may present any reasonable evidence or information for the board to consider. The board shall render its decision on the reconsideration petition as soon as reasonably possible, but no later than thirty days after the reconsideration request is made.

An aggrieved party, following the completion of the reconsideration petition process, upon agreement of the other party, may have the dispute resolved through final and binding arbitration by a single arbitrator in accordance with the Wireless Industry Arbitration Rules of the American Arbitration Association. The costs of the arbitration, including the fees and expenses of the arbitrator, shall be borne by the nonprevailing party of any arbitration proceeding. The arbitrator's decision shall be final and binding and may be confirmed and enforced in any court of competent jurisdiction.

Nothing in this section shall preclude any wireless provider, reseller, or public safety answering point from pursuing any existing right or remedy to which it is entitled in any court having jurisdiction thereof.

PSAP REIMBURSEMENT REQUEST WORKSHEET

1. PSAP INFORMATION

- a. PSAP/County:
b. Individual submitting request:
c. Rank/Title:
d. Telephone Number: Email Address:
e. Contact/Address for Reimbursement Payments:
f. Total Amount Requested: NRC: \$ MRC: \$

2. EQUIPMENT, SYSTEMS, OR SERVICES RELATED TO WIRELESS E9-1-1				
Item	Description	Quantity	Non-Recurring Cost (NRC)	Monthly Recurring Cost (MRC)
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
	Total			

3. LEC COSTS FOR WIRELESS E9-1-1				
Item	Description	Quantity	Non-Recurring Cost (NRC)	Monthly Recurring Cost (MRC)
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
	Total			

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POLICY ON COST RECOVERY

Wireless Service Providers

In order to meet its obligations under HRS Chapter 138, the Wireless Enhanced 911 (WE911) Board is responsible for the administration of the Wireless Enhanced 911 Fund, into which is deposited the monthly surcharge imposed on each commercial mobile radio service connection collected by wireless providers and resellers, and from which is distributed recoverable costs to eligible public safety answering points and wireless providers for their permissible costs.

This policy establishes the guidelines to be used by Wireless Service Providers (WSPs) in seeking recovery of their permissible costs for deploying and implementing Wireless Enhanced 911 service, in accordance with HRS §138-5.

Cost Recovery Plan

1. Each WSP shall submit to the Board a Cost Recovery Plan that includes a brief description of the Phase II solution to be deployed. The Cost Recovery Plan shall contain a reasonable estimate of the WSP's costs for both one-time Non-Recurring Costs (NRCs), and Monthly Recurring Costs (MRCs). Each item shall provide a specific description of each type of expense and the estimated cost of each item.
2. NRCs shall represent the WSP's one-time, non-recurring costs incurred in preparing its network to deliver WE911 service in Hawaii. NRCs may include, but are not be limited to:
 - The acquisition and installation of equipment required to provide Wireless 911 Phase I and Phase II.
 - Application software directly related to WE911 service.
 - Network upgrades necessary to achieve Phase I and II WE911 compatibility.
 - Initial creation and loading of information regarding cell site locations, cell sector identifiers, and routing.
 - Establishment of any necessary network connectivity.
 - Design, development, and implementation of the WSP's operations and other one-time costs that may be incurred during development and startup of WE911 service.
 - Required upgrades to the Mobile Telephone Switching Office.
 - Connection fee to the 9-1-1 Selective Router.
 - Research & Development efforts directly related to WE911 service.
 - Network design directly related to WE911 service.
 - Test plan development related to WE911 service.
 - Completion of functional testing.
 - Completion of coverage and accuracy testing.

3. MRCs shall represent the WSP's Monthly Recurring Costs for providing WE911 service in Hawaii only. Such MRCs shall include, but not be limited to:
 - Services provided by third party vendors directly related to WE911 service.
 - Updating database information in various databases such as routing and location information.
 - Incremental upgrades to infrastructure and facilities required for WE911 capabilities.
 - On-going database management tasks.
 - Periodic performance reporting.
 - Operations directly related to WE911 service.
 - Routing charges directly related to WE911 service.
 - Engineering directly related to WE911 service.
4. Cost information should include but not be limited to the following:
 - Items listed as equipment should contain a description of the equipment, its purpose for Phase I or Phase II, quantity, cost, and manufacturer.
 - Items for external contractors should provide a name of the company, a description of the work to be performed, and the cost of the service provided.
 - Items listed as internal to the WSP should identify the department, description of work performed, purpose, and cost.
5. Proprietary information submitted by the WSP shall be held in confidence as authorized by HRS §138-8. All such information submitted to the WE911 Board shall be marked or stamped "Proprietary" or "Confidential" by the WSP.
6. The WSP shall maintain documentation for all charges and invoices as they relate to the implementation and maintenance of WE911 service in Hawaii. The books, records, and documents of the WSP, shall be maintained in accordance with generally accepted accounting principles.
7. The WE911 Board will reimburse the WSP for its eligible costs for WE911 service, subject to availability of funds as provided for in HRS §138-5. The payment of an invoice by the WE911 Board shall not prejudice the Board's right to object to or question any invoice or matter in relation thereto. Such payment by the WE911 Board shall neither be construed as acceptance of any part of the work or service provided nor as an approval of any of the amounts invoiced therein. Submission of an invoice by a WSP to the WE911 Board shall not constitute a financial or legal liability on the part of the WE911 Board.
8. The WSP shall submit a sworn and true invoice to the WE911 Board for its costs. Any such payment shall be subject to the availability of funds, and in accordance with HRS §138-5. In no event shall a WSP be reimbursed an amount in excess of its actual costs. For purposes of cost recovery, a sworn and true invoice consists of an invoice prepared by the WSP that describes the cost recovery being requested. The invoice must be

attested by an authorized agent of the WSP. WSPs must submit documentation that the costs were actually incurred as invoiced. Internal costs (such as engineering time, facilities, proportionate share of software and personnel, etc.) must be supported by documentation.

9. Payment for Monthly Recurring Costs shall not begin until the WSP has initiated Phase I service to at least one PSAP in the State of Hawaii.
10. Each WSP seeking cost recovery for Phase II must provide a sworn statement that certifies that the Phase II solution meets the minimum accuracy requirements established by the FCC as measured on a statewide basis.
11. The WSP shall include a subscriber count as of the previous month of the reimbursement request for Monthly Recurring Costs. The WSP shall also include the total number of cell sites deployed.

Application Instructions

Wireless Providers and Resellers will need to submit a written request for reimbursement with supporting documentation to:

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Hawaii Wireless Enhanced 911 Board
1600 Kapiolani Blvd, Suite 530
Honolulu, HI 96814

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State of Hawaii
Wireless Enhanced 911 Board

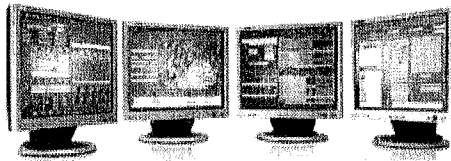
Executive Director's Monthly Report
April 13, 2006

1. Reports Filed – None since last month's board meeting
2. Inquiries – None since last month's board meeting
3. Upcoming Reporting Requirements
 - a. Quarterly
 - i. April 15: Report of Funds Not Deposited in the State Treasury
 - ii. April 15: Journal Voucher for Report of Funds Not Deposited in the State Treasury
 - iii. May 15: PSAP Readiness Grant Fund Quarterly Report
 - b. Annual
 - i. May 4: PSAP Readiness Grant Fund Annual Report
 - ii. May 15: BJ Tables Update
 - c. Other – None
4. Issues for Board to Consider at Next Month's Board Meeting
 - a. Board Strategic Planning Session

SEE WHAT'S NEW AT



You are invited to join Positron
For a **9-1-1 Wireless Mapping Technology Seminar**
Presenting to: State of Hawaii Public Safety Agencies



As communications and information technologies continue to converge, public safety communications managers are faced with the challenge of integrating GIS/Mapping data and applications in the PSAP. As a world leader in engineering and manufacturing of end-to-end public safety emergency response systems, Positron has successfully deployed 9-1-1 Wireless Mapping for Maui PD. Positron is sponsoring a technology information seminar designed to present and discuss Positron's Power Map solution deployed in Maui including project planning, system staging, configuration, installation, system interfaces and costs applicable to all PSAPs in the State of Hawaii.

TOPICS INCLUDE:

**Power Map Features and Benefits
Maui PD's Implementation of Power Map
Considerations for implementing a 9-1-1 mapping solution in PSAPs
Mapping for Crime Analysis, Mobile Mapping, and
Automatic Vehicle/Personnel Locating Systems**

As a public safety professional, you will find this technology seminar very informative.

This FREE seminar is a one-day event and lunch is included.

Location: DoubleTree Alana Hotel – 1956 Ala Moana Blvd, Honolulu 808-941-7275

Date and Time: Tuesday, April 18, 2006 @ 10AM – 2PM

Space is limited so reserve your seat today!

Please RSVP by April 10, 2006 to:

Phone: 916-772-4911

Email: Jaime Lim – Western Regional Manager - jlim@positron911.com

Attach 13